

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A measurement value output ~~device comprising~~device, comprising:

a signal converting means for receiving a measurement value that is continuously obtained by a meter or a sensor and converting the measurement value into a time width corresponding to the measurement value, and

a measurement value output means for changing a state of an output level from OFF to ON or ON to OFF at predetermined time intervals and for outputting an ON/OFF signal, at predetermined time intervals, that maintains the changed state of the output level as ON or OFF which is kept ON or OFF for a time period corresponding to the above time width obtained from the signal converting means at predetermined time intervals,

wherein a magnitude of the measurement value obtained from the signal converting means is outputted using the ON/OFF signal outputted at the predetermined time intervals.

2. (Currently Amended) The measurement value output device according to claim 1, ~~wherein~~further comprising:

an input signal switching means, wherein:

the input signal switching means is connected to a plurality of at least one of meters and sensors,

the input signal switching means performs a switching operation to select selects one of a plurality of outputs from the plurality of at least one of meters and sensors, or sensors and

the input signal switching means outputs the selected one of the plurality of outputs to the signal converting means is installed before the signal converting means; and

a switching control means for controlling the switching operation of the input signal switching means.

3. (Currently Amended) A measurement value output ~~device comprising device,~~
comprising:

a plurality of measurement value converters, each of the measurement value converters including:~~having~~

a signal converting means for receiving a measurement value that is continuously obtained by a meter or a sensor and converting the measurement value~~it~~ into a time width corresponding to the measurement value, and

a measurement value output means for changing a state of an output level from OFF to ON or ON to OFF at predetermined time intervals and for outputting an ON/OFF signal, at predetermined time intervals, that maintains the changed state of the output level as~~which is kept~~ ON or OFF for a time period corresponding to the time width obtained from the signal converting means; and~~at predetermined time intervals, in order to output.~~

an output timing controlling means for controlling an output timing of respective ones of the plurality of measurement value converters to sequentially output a plurality of the converted the respective ON/OFF signals at predetermined time intervals sequentially.

4. (Previously Presented) The measurement value output device according to claim 2, wherein a pulse signal indicative of the measurement value is output before the ON/OFF signal.

5. (Currently Amended) A measurement value monitoring device comprising the measurement value output device of claim 1 and monitoring means for monitoring ~~at the~~ length of the ON time or OFF time of an ON/OFF signal output from the output device.

6. - 9. (Cancelled)

10. (Currently Amended) The measurement value ~~current~~-monitoring device according to claim 5, comprising:~~claim 9 comprising~~
_____means of outputting a pulse signal when the ON time or OFF time of the ON/OFF signal is longer than a predetermined time,
_____means of integrating ~~at~~ the number of the output pulses, and
_____alarm means for issuing a warning when the integrated number of pulses exceeds a predetermined value.

11. (New) The measurement value monitoring device according to claim 1, wherein the meter or the sensor is a current measuring means for continuously measuring a current running through a conductor.

12. (New) The measurement value monitoring device according to claim 11, wherein a value of the measured current running through the conductor is the measurement value received by the signal converting means.

13. (New) The measurement value monitoring device according to claim 2, wherein the meter or the sensor is a current measuring means for continuously measuring a current running through a conductor.

14. (New) The measurement value monitoring device according to claim 3, wherein the meter or the sensor is a current measuring means for continuously measuring a current running through a conductor.

15. (New) The measurement value monitoring device according to claim 4, wherein the meter or the sensor is a current measuring means for continuously measuring a current running through a conductor.

16. (New) A measurement value monitoring device comprising the measurement value output device of claim 2 and monitoring means for monitoring a length of the ON time or OFF time of an ON/OFF signal output from the output device.

17. (New) A measurement value monitoring device comprising the measurement value output device of claim 3 and monitoring means for monitoring a length of the ON time or OFF time of an ON/OFF signal output from the output device.

18. (New) A measurement value monitoring device comprising the measurement value output device of claim 4 and monitoring means for monitoring a length of the ON time or OFF time of an ON/OFF signal output from the output device.

19. (New) The measurement value output device according to claim 3, wherein a pulse signal indicative of the measurement value is output before the ON/OFF signal.

20. (New) The measurement value monitoring device according to claim 12, comprising:

means of outputting a pulse signal when the ON time or OFF time of the ON/OFF signal is longer than a predetermined time,

means of integrating a number of the output pulses, and

alarm means for issuing a warning when the integrated number of pulses exceeds a predetermined value.